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WPI Acc No: 1991-118203/199117

XRAM Acc No: C91-050921

XRPX Acc No: N91-090998

Gas generator - with fast burning coating on surface of  
slowly deflagrating propellant solid

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Inventor: SCHAFER R

Number of Countries: 003    Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3932576	A	19910418	DE 3932574	A	19890929	199117 B
DE 3932576	C	19920305				199210
EP 480085	A	19920415	EP 90119388	A	19901010	199216

Priority Applications (No Type Date): DE 3932576 A 19890929; DE 3932574 A 19890929; EP 90119388 A 19901010

Cited Patents: FR 1118847; FR 2316101; FR 2623796; GB 807499; US 4200615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 480085	A	G	5		

Designated States (Regional): DE FR GB

Abstract (Basic): DE 3932576 A

A gas generator for ejecting projectiles or for filling air bags uses a slowly deflagrating solid propellant (1) in the form of a hose or a strand. One or more explosive coatings (2) burn off at high speed and cover one longitudinal surface of the solid propellant (1). One or more gas channels (2) extend all along the charge..

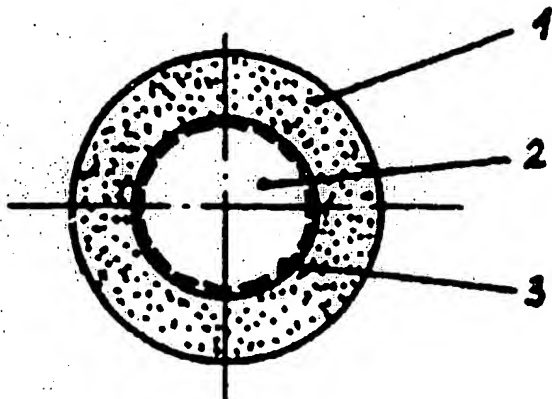
ADVANTAGE - The generator requires much smaller active charges of up to 50 mg/m. Mixts. of perchlorate with metal powder, nitrate or a binder are prefd.. (4pp Dwg.No.1/2)

Abstract (Equivalent): DE 3932576 C

The gas generator for filling air bags includes a solid propellant which is coated with a quickly burning explosive and one or more gas channels. The solid propellant is in the form of a tube or extrusion, and its length is the same as the length of the channel.

The explosive coating extends over the whole length of the channel so that a shock wave is generated on detonation, which has a high speed.

ADVANTAGE - Gas generator is efficient and reliable and can release large amts. of gas in short time.



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